Preface

About This Guide

This guide is intended for users of the Dell PowerVault 200S, 201S, 210S, and 211S storage systems (hereafter called 2*xx*S storage systems) who want to learn about its features and operation and for qualified service technicians who upgrade or service the storage system. The chapters are summarized as follows:

- Chapter 1, "Introduction," provides an overview of the storage system's features, a description of the controls and indicators on the front panel, and information on where to get help if you need it.
- Chapter 2, "Installing Your Rack-Mounted Storage System," describes setting up the rack-mounted storage system.
- Chapter 3, "Installing Your Stand-Alone Storage System," describes setting up the stand-alone storage system.
- Chapter 4, "Configuring Your ESEM or SEMM for Cluster Operation," describes how to configure the storage system.
- Chapter 5, "Connecting Your Storage System to the Host Computer," describes how to connect your storage system to the host computer.
- Chapter 6, "Installing Drives," describes how to install small computer system interface (SCSI) hard-disk drives in the storage system's drive bays.
- Chapter 7, "Service Information for Technicians," discusses upgrade and service procedures for the storage system.
- Chapter 8, "Getting Help," describes the help tools Dell provides to assist you should you have a problem with the storage system. It also explains how and when to call Dell for technical assistance.
- Appendix A, "Technical Specifications," provides reference material for users interested in learning more about the details of the storage system.
- Appendix B, "Maintaining Your Storage System," describes preventive maintenance procedures that you should perform regularly to keep your storage system in top operating condition.
- Appendix C, "Regulatory Notices," provides information about regulatory agencies that have tested and approved the PowerVault 2*xx*S storage system.

- Appendix D, "Limited Warranty and Return Policy," describes the warranty for the storage system and the "Total Satisfaction" Return Policy.
- "Abbreviations and Acronyms" defines the acronyms and abbreviations used in this guide.

Limited Warranty and Return Policy Information

Dell Computer Corporation ("Dell") manufactures its hardware products from parts and components that are new or equivalent to new in accordance with industry-standard practices. For information about the Dell limited warranty for your system, see Appendix D, Limited Warranty and Return Policy."

Other Documents You May Need

In addition to this *Installation and Service Guide*, you may also have one or more of the following documents:

- *User's Guide* or *Installation and Troubleshooting Guide* for the host computer.
- Dell PowerEdge Expandable RAID Controller (PERC) 2, Dell PERC 2/DC, Dell PERC 2/SC, or Dell PERC 3/DI documentation, which includes information on the SCSI host adapter.
- HP OpenView Network Node Manager Special Edition (NNM SE) *x.x* and Dell OpenManage Hardware Instrumentation Package (HIP) *x.x* documentation, which includes information on operating the Dell OpenManage HIP server management application program.
- Dell PowerEdge cluster installation and troubleshooting documentation.

NOTE: Documentation updates are sometimes included with your system or software to describe changes to your system or software. Always read these updates before consulting any other documentation because the updates often contain the latest information.

Notes, Notices, Cautions, and Warnings

Throughout this guide, blocks of text may be accompanied by an icon and printed in bold type or in italic type. These blocks are notes, notices, cautions, and warnings, and they are used as follows:

NOTE: A NOTE indicates important information that helps you make better use of your computer system.

NOTICE: A NOTICE indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

CAUTION: A CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

WARNING: A WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious bodily injury.

Typographical Conventions

The following list defines (where appropriate) and illustrates typographical conventions used as visual cues for specific elements of text throughout this document:

- *Interface components* are window titles, button and icon names, menu names and selections, and other options that appear on the monitor screen or display. They are presented in bold.

  Example: Click **OK**.

- *Keycaps* are labels that appear on the keys on a keyboard. They are enclosed in angle brackets.

  Example: <Enter>

- *Key combinations* are series of keys to be pressed simultaneously (unless otherwise indicated) to perform a single function.

  Example: <Ctrl><Alt><Enter>

- *Commands* presented in lowercase bold are for reference purposes only and are not intended to be typed when referenced.

  Example: "Use the **format** command to . . . ."

  In contrast, commands presented in the Courier New font are part of an instruction and intended to be typed.

  Example: "Type `format a:` to format the diskette in drive A."

- *Filenames* and *directory names* are presented in lowercase bold.

  Examples: **autoexec.bat** and **c:\windows**

- *Syntax lines* consist of a command and all its possible parameters. Commands are presented in lowercase bold; variable parameters (those for which you substitute a value) are presented in lowercase italics; constant parameters are presented in lowercase bold. The brackets indicate items that are optional.

  Example: **del** [*drive***:**] [*path*] *filename* [**/p**]

- *Command lines* consist of a command and may include one or more of the command's possible parameters. Command lines are presented in the Courier New font.

  Example: `del c:\myfile.doc`

- *Screen text* is a message or text that you are instructed to type as part of a command (referred to as a *command line*). Screen text is presented in the Courier New font.

  Example: The following message appears on your screen:

```
No boot device available
```

Example: "Type `md c:\programs` and press <Enter>."

- *Variables* are placeholders for which you substitute a value. They are presented in italics.

  Example: DIMM_*x* (where *x* represents the DIMM socket designation)